

# KWIK

AM Stereo 1240



**KID** AM 590  
RADIO  
NEWS • TALK • SPORTS

**OLDIES**  
94.9

FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON, D.C.

RE: DOBSON, GOSS, RONES  
AND DAHL APP FOR  
IDAHO

SIRS:

ENCLOSED IS A COPY OF THE INTERMODULATION STUDY COMPLETED BY ELLIOT KLEIN OF KLEIN BROADCAST ENGINEERING. ACCORDING TO THE STUDY THE ADDITION OF THIS STATION WILL CREATE A MULTITUDE OF PROBLEMS FOR STATIONS ALREADY IN THE AREA. THEREFORE WE WOULD PROTEST THE ADDITION OF THIS STATION UNTIL SUCH TIME AS THESE INTERMOD PROBLEMS ARE ELIMINATED.

SINCERELY:

*Jim Fox*  
JIM FOX  
KWIK/SPRY  
POCATELLO, ID. 1

FEDERAL COMMUNICATIONS  
COMMISSION  
OFFICE OF THE  
SECRETARY

JAN 7 '94

RECEIVED

# KWIK

AM Stereo 1240



**KID** AM 590  
RADIO  
NEWS • TALK • SPORTS

**OLDIES**  
94.9

12/1/93

JEFF STEELE

UNITED STATE DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
POCATELLO RESOURCE AREA  
FEDERAL BUILDING, SUITE 172  
250 S. 4TH AVE  
POCATELLO, ID 83201

DEAR JEFF:

I AM ENCLOSING A COPY OF AN INTERMODULATION STUDY DONE BY ELLIOT KLEIN OF KLEIN BROADCAST ENGINEERING. NEEDLESS TO SAY THERE ARE MANY FREQUENCY PROBLEMS AND INCOMPATIBILITIES WITH THE ADDITION OF THIS FREQUENCY.

THEREFORE WE ARE ASKING THAT THE DEPARTMENT OF THE INTERIOR AND THE FCC NOT GRANT THIS APPLICATION UNTIL WE ARE ASSURED THESE NUMEROUS PROBLEMS ARE CORRECT PRIOR TO CONSTRUCTION.

SINCERELY,

*Jim Fox*  
JIM FOX  
KNIK/KPVI  
POCATELLO

CC: FCC

# KLEIN BROADCAST ENGINEERING

*dedicated to improving the science and technology of radio & television communications*

November 22, 1993

Mr. Jim Fox  
President  
Fox Communications Company  
Radio Station KPKY(FM)  
259 East Center Street  
Pocatello, ID 83201

Dear Jim:

Enclosed you will find five pages that comprise the intermodulation product study for the KPKY transmitter site at Pocatello.

The study included all the in band intermodulation products generated at the site including the introduction of the new FM station, (KOUU) on 104.1 MHz. As you can see there are many different combinations that include the 104.1 frequency that will produce intermodulation products that fall on your station's frequency as well as other FM stations atop the same mountain site. This is cause for a high degree of caution and alarm, because no where in the site application you sent to this firm does the 104.1 MHz. station propose any plans to install necessary filters to prevent these calculated intermodulation products from being radiated at levels above the minus 80dB below their main carrier reference level at the proposed transmitter site. This is a strict requirement of the Federal Communications Commission. The details of this intermodulation product radiation level compliance may be found in Section 73.317 of the Commission's Rules and Regulations. I have included a copy of this rule section for your information and files.

There are so many offensive intermodulation products generated that involve the 104.1 MHz. frequency, I feel the best approach to solve the intermodulation product radiation problems and keep them at a level that complies with Section 73.317 of the Commission's Rules, that an Electronics Research Inc., "Product Eater" band pass filter should be installed and tuned at the 104.1 MHz. transmitter output terminal, BEFORE this new station is allowed to operate for the proposed new site.

We feel very strongly that unless some filtering steps are taken, such as those recommended, the resultant intermodulation products radiated from the new station's transmitter will cause objectionable interference not only to your station but to a number of other local and Idaho Falls stations now serving the Pocatello market with interference free service.

Mr. Jim Fox, page two 11/22/93

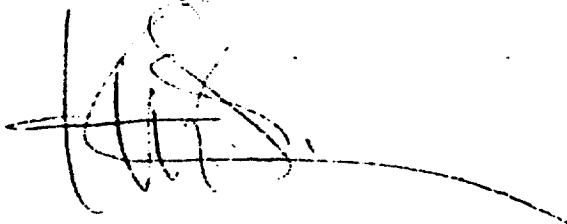
In addition, the enclosed study was limited to "in band" (those frequencies that comprise the commercial broadcast FM band) intermodulation products, that is only those intermodulation products generated that fall between the frequencies of 88.0 MHz and 108.0 MHz., considered in this study. There are 66 calculated in band intermodulation products generated that relate to the 104.1 station. As you know the last station on a particular site is not only responsible for its own generated intermodulation product radiation but it is also responsible to cure any and all intermodulation products generated and radiated by any other station on the common site that are caused by the introduction of the proposed stations operation. This is present FCC policy on this type of matter. I am sure that the out of band products are even worse than those shown. The out of band products would possibly interfere with local two-way VHF and UHF communications services and may even interfere with local police, fire and public safety radio communications services as well as possible interference to aviation navigation and communications services.

In the enclosed study, the products that relate in any way to the proposed operation of the 104.1 MHz. station are circled.

As you know, last fall, we installed an ERI filter at the transmitter site of KPKY to eliminate a problem you were having. At that time we measured the intermodulation products radiated from the KPKY FM transmitter and found that ALL the products generated from your system were in strict compliance with Section 73.317 of the Commission's Rules. Furthermore our measurements were made out to and included tenth order harmonics and products.

If I may be of any further help regarding this particular problem or any other engineering matter, for which you may need our services, please call me as we would be happy to help you in any way possible.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Elliott Klein', with a long horizontal line extending from the end of the signature.

Elliott Kurt Klein,  
Consulting Broadcast Engineer

Frequency No. 1: 93.7  
 Frequency No. 2: 94.9  
 Frequency No. 3: 97.3  
 Frequency No. 4: 98.5  
 Frequency No. 5: 102.5  
 Frequency No. 6: 104.1

Maximum Order Of Products Checked: 3  
 Reporting Products Falling Between 88 And 108

#	Order	x	Freq.	Sum/Dif	Order	x	Freq.	=	Product
1.	2	x	93.7	-	1	x	94.9	=	92.5
2.	2	x	93.7	-	1	x	97.3	=	90.1
3.	2	x	93.7	-	1	x	98.5	=	88.9
4.	2	x	94.9	-	1	x	93.7	=	96.1
5.	2	x	94.9	-	1	x	97.3	=	92.5
6.	2	x	94.9	-	1	x	98.5	=	91.3
7.	2	x	97.3	-	1	x	93.7	=	100.9
8.	2	x	97.3	-	1	x	94.9	=	99.7
9.	2	x	97.3	-	1	x	98.5	=	96.1
10.	2	x	97.3	-	1	x	102.5	=	92.1
11.	2	x	97.3	-	1	x	104.1	=	90.5
12.	2	x	98.5	-	1	x	93.7	=	103.3
13.	2	x	98.5	-	1	x	94.9	=	102.1
14.	2	x	98.5	-	1	x	97.3	=	99.7
15.	2	x	98.5	-	1	x	102.5	=	94.5
16.	2	x	98.5	-	1	x	104.1	=	92.9
17.	2	x	102.5	-	1	x	97.3	=	107.7
18.	2	x	102.5	-	1	x	98.5	=	106.5
19.	2	x	102.5	-	1	x	104.1	=	100.9
20.	2	x	104.1	-	1	x	102.5	=	105.7
21.	3	x	93.7	-	2	x	94.9	=	91.3
22.	3	x	94.9	-	2	x	93.7	=	97.3
23.	3	x	94.9	-	2	x	97.3	=	90.1
24.	3	x	97.3	-	2	x	93.7	=	104.5
25.	3	x	97.3	-	2	x	94.9	=	102.1
26.	3	x	97.3	-	2	x	98.5	=	94.9
27.	3	x	98.5	-	2	x	94.9	=	105.7
28.	3	x	98.5	-	2	x	97.3	=	100.9
29.	3	x	98.5	-	2	x	102.5	=	90.5
30.	3	x	102.5	-	2	x	104.1	=	99.3
31.	3	x	104.1	-	2	x	102.5	=	107.3

#	Order	x	Freq.	Plus	Order	x	Freq.	Minus	Order	x	Freq.	=	Product
32.	1	x	93.7	+	1	x	94.9	-	1	x	97.3	=	91.3
33.	1	x	93.7	+	1	x	94.9	-	1	x	98.5	=	90.1
34.	1	x	93.7	+	1	x	97.3	-	1	x	94.9	=	96.1
35.	1	x	93.7	+	1	x	97.3	-	1	x	98.5	=	92.5
36.	1	x	93.7	+	1	x	97.3	-	1	x	102.5	=	88.5
37.	1	x	93.7	+	1	x	98.5	-	1	x	94.9	=	97.3
38.	1	x	93.7	+	1	x	98.5	-	1	x	97.3	=	94.9
39.	1	x	93.7	+	1	x	98.5	-	1	x	102.5	=	89.7

#	Order x Freq.	Plus	Order x Freq.	Minus	Order x Freq.	=	Product
40.	1 x 93.7	+	1 x 98.5	-	1 x 104.1	=	88.1
41.	1 x 93.7	+	1 x 102.5	-	1 x 94.9	=	101.3
42.	1 x 93.7	+	1 x 102.5	-	1 x 97.3	=	98.9
43.	1 x 93.7	+	1 x 102.5	-	1 x 98.5	=	97.7
44.	1 x 93.7	+	1 x 102.5	-	1 x 104.1	=	92.1
45.	1 x 93.7	+	1 x 104.1	-	1 x 94.9	=	102.9
46.	1 x 93.7	+	1 x 104.1	-	1 x 97.3	=	100.5
47.	1 x 93.7	+	1 x 104.1	-	1 x 98.5	=	99.3
48.	1 x 93.7	+	1 x 104.1	-	1 x 102.5	=	95.3
49.	1 x 94.9	+	1 x 97.3	-	1 x 93.7	=	98.5
50.	1 x 94.9	+	1 x 97.3	-	1 x 98.5	=	93.7
51.	1 x 94.9	+	1 x 97.3	-	1 x 102.5	=	89.7
52.	1 x 94.9	+	1 x 97.3	-	1 x 104.1	=	88.1
53.	1 x 94.9	+	1 x 98.5	-	1 x 93.7	=	99.7
54.	1 x 94.9	+	1 x 98.5	-	1 x 97.3	=	96.1
55.	1 x 94.9	+	1 x 98.5	-	1 x 102.5	=	90.9
56.	1 x 94.9	+	1 x 98.5	-	1 x 104.1	=	89.3
57.	1 x 94.9	+	1 x 102.5	-	1 x 93.7	=	103.7
58.	1 x 94.9	+	1 x 102.5	-	1 x 97.3	=	100.1
59.	1 x 94.9	+	1 x 102.5	-	1 x 98.5	=	98.9
60.	1 x 94.9	+	1 x 102.5	-	1 x 104.1	=	93.3
61.	1 x 94.9	+	1 x 104.1	-	1 x 93.7	=	105.3
62.	1 x 94.9	+	1 x 104.1	-	1 x 97.3	=	101.7
63.	1 x 94.9	+	1 x 104.1	-	1 x 98.5	=	100.5
64.	1 x 94.9	+	1 x 104.1	-	1 x 102.5	=	96.5
65.	1 x 97.3	+	1 x 98.5	-	1 x 93.7	=	102.1
66.	1 x 97.3	+	1 x 98.5	-	1 x 94.9	=	100.9
67.	1 x 97.3	+	1 x 98.5	-	1 x 102.5	=	93.3
68.	1 x 97.3	+	1 x 98.5	-	1 x 104.1	=	91.7
69.	1 x 97.3	+	1 x 102.5	-	1 x 93.7	=	106.1
70.	1 x 97.3	+	1 x 102.5	-	1 x 94.9	=	104.9
71.	1 x 97.3	+	1 x 102.5	-	1 x 98.5	=	101.3
72.	1 x 97.3	+	1 x 102.5	-	1 x 104.1	=	95.7
73.	1 x 97.3	+	1 x 104.1	-	1 x 93.7	=	107.7
74.	1 x 97.3	+	1 x 104.1	-	1 x 94.9	=	106.5
75.	1 x 97.3	+	1 x 104.1	-	1 x 98.5	=	102.9
76.	1 x 97.3	+	1 x 104.1	-	1 x 102.5	=	98.9
77.	1 x 98.5	+	1 x 102.5	-	1 x 93.7	=	107.3
78.	1 x 98.5	+	1 x 102.5	-	1 x 94.9	=	106.1
79.	1 x 98.5	+	1 x 102.5	-	1 x 97.3	=	103.7
80.	1 x 98.5	+	1 x 102.5	-	1 x 104.1	=	96.9
81.	1 x 98.5	+	1 x 104.1	-	1 x 94.9	=	107.7
82.	1 x 98.5	+	1 x 104.1	-	1 x 97.3	=	105.3
83.	1 x 98.5	+	1 x 104.1	-	1 x 102.5	=	100.1
84.	1 x 93.7	+	2 x 94.9	-	2 x 97.3	=	88.9
85.	1 x 93.7	+	2 x 97.3	-	2 x 94.9	=	98.5
86.	1 x 93.7	+	2 x 97.3	-	2 x 98.5	=	91.3
87.	1 x 93.7	+	2 x 98.5	-	2 x 94.9	=	100.9
88.	1 x 93.7	+	2 x 98.5	-	2 x 97.3	=	96.1
89.	1 x 93.7	+	2 x 102.5	-	2 x 97.3	=	104.1
90.	1 x 93.7	+	2 x 102.5	-	2 x 98.5	=	101.7
91.	1 x 93.7	+	2 x 102.5	-	2 x 104.1	=	90.5
92.	1 x 93.7	+	2 x 104.1	-	2 x 97.3	=	107.3

#	Order	x Freq.	Plus	Order	x Freq.	Minus	Order	x Freq.	=	Product
93.	1	x 93.7	+	2	x 104.1	-	2	x 98.5	=	104.9
94.	1	x 93.7	+	2	x 104.1	-	2	x 102.5	=	98.9
95.	1	x 94.9	+	2	x 97.3	-	2	x 93.7	=	102.1
96.	1	x 94.9	+	2	x 97.3	-	2	x 98.5	=	92.5
97.	1	x 94.9	+	2	x 98.5	-	2	x 93.7	=	104.5
98.	1	x 94.9	+	2	x 98.5	-	2	x 97.3	=	97.3
99.	1	x 94.9	+	2	x 102.5	-	2	x 97.3	=	105.3
100.	1	x 94.9	+	2	x 102.5	-	2	x 98.5	=	102.9
101.	1	x 94.9	+	2	x 102.5	-	2	x 104.1	=	91.7
102.	1	x 94.9	+	2	x 104.1	-	2	x 98.5	=	106.1
103.	1	x 94.9	+	2	x 104.1	-	2	x 102.5	=	98.1
104.	1	x 97.3	+	2	x 93.7	-	2	x 94.9	=	94.9
105.	1	x 97.3	+	2	x 94.9	-	2	x 93.7	=	99.7
106.	1	x 97.3	+	2	x 94.9	-	2	x 98.5	=	90.1
107.	1	x 97.3	+	2	x 98.5	-	2	x 93.7	=	106.9
108.	1	x 97.3	+	2	x 98.5	-	2	x 94.9	=	104.5
109.	1	x 97.3	+	2	x 98.5	-	2	x 102.5	=	89.3
11	1	x 97.3	+	2	x 102.5	-	2	x 98.5	=	105.3
11	1	x 97.3	+	2	x 102.5	-	2	x 104.1	=	94.1
113.	1	x 97.3	+	2	x 104.1	-	2	x 102.5	=	100.5
113.	1	x 98.5	+	2	x 93.7	-	2	x 94.9	=	96.1
114.	1	x 98.5	+	2	x 93.7	-	2	x 97.3	=	91.3
115.	1	x 98.5	+	2	x 94.9	-	2	x 93.7	=	100.9
116.	1	x 98.5	+	2	x 94.9	-	2	x 97.3	=	93.7
117.	1	x 98.5	+	2	x 97.3	-	2	x 93.7	=	105.7
118.	1	x 98.5	+	2	x 97.3	-	2	x 94.9	=	103.3
119.	1	x 98.5	+	2	x 97.3	-	2	x 102.5	=	88.1
120.	1	x 98.5	+	2	x 102.5	-	2	x 104.1	=	95.3
121.	1	x 98.5	+	2	x 104.1	-	2	x 102.5	=	101.7
122.	1	x 102.5	+	2	x 93.7	-	2	x 94.9	=	100.1
123.	1	x 102.5	+	2	x 93.7	-	2	x 97.3	=	95.3
124.	1	x 102.5	+	2	x 93.7	-	2	x 98.5	=	92.9
125.	1	x 102.5	+	2	x 94.9	-	2	x 93.7	=	104.9
126.	1	x 102.5	+	2	x 94.9	-	2	x 97.3	=	97.7
127.	1	x 102.5	+	2	x 94.9	-	2	x 98.5	=	95.3
128.	1	x 102.5	+	2	x 97.3	-	2	x 94.9	=	107.3
129.	1	x 102.5	+	2	x 97.3	-	2	x 98.5	=	100.1
130.	1	x 102.5	+	2	x 97.3	-	2	x 104.1	=	88.9
131.	1	x 102.5	+	2	x 98.5	-	2	x 97.3	=	104.9
132.	1	x 102.5	+	2	x 98.5	-	2	x 104.1	=	91.3
133.	1	x 104.1	+	2	x 93.7	-	2	x 94.9	=	101.7
134.	1	x 104.1	+	2	x 93.7	-	2	x 97.3	=	96.9
135.	1	x 104.1	+	2	x 93.7	-	2	x 98.5	=	94.5
136.	1	x 104.1	+	2	x 94.9	-	2	x 93.7	=	106.5
137.	1	x 104.1	+	2	x 94.9	-	2	x 97.3	=	99.3
138.	1	x 104.1	+	2	x 94.9	-	2	x 98.5	=	96.9
139.	1	x 104.1	+	2	x 94.9	-	2	x 102.5	=	88.9
140.	1	x 104.1	+	2	x 97.3	-	2	x 98.5	=	101.7
141.	1	x 104.1	+	2	x 97.3	-	2	x 102.5	=	93.7
142.	1	x 104.1	+	2	x 98.5	-	2	x 97.3	=	106.5
143.	1	x 104.1	+	2	x 98.5	-	2	x 102.5	=	96.1
144.	1	x 93.7	+	3	x 97.3	-	3	x 94.9	=	100.9
145.	1	x 93.7	+	3	x 97.3	-	3	x 98.5	=	90.1

#	Order	x	Freq.	Plus	Order	x	Freq.	Minus	Order	x	Freq.	=	Product
146.	1	x	93.7	+	3	x	98.5	-	3	x	94.9	=	104.5
147.	1	x	93.7	+	3	x	98.5	-	3	x	97.3	=	97.3
148.	1	x	93.7	+	3	x	102.5	-	3	x	98.5	=	105.7
149.	1	x	93.7	+	3	x	102.5	-	3	x	104.1	=	88.9
150.	1	x	93.7	+	3	x	104.1	-	3	x	102.5	=	98.5
151.	1	x	94.9	+	3	x	97.3	-	3	x	93.7	=	105.7
152.	1	x	94.9	+	3	x	97.3	-	3	x	98.5	=	91.3
153.	1	x	94.9	+	3	x	98.5	-	3	x	97.3	=	98.5
154.	1	x	94.9	+	3	x	102.5	-	3	x	98.5	=	106.9
155.	1	x	94.9	+	3	x	102.5	-	3	x	104.1	=	90.1
156.	1	x	94.9	+	3	x	104.1	-	3	x	102.5	=	99.7
157.	1	x	97.3	+	3	x	93.7	-	3	x	94.9	=	93.7
158.	1	x	97.3	+	3	x	94.9	-	3	x	93.7	=	100.9
159.	1	x	97.3	+	3	x	102.5	-	3	x	104.1	=	92.5
160.	1	x	97.3	+	3	x	104.1	-	3	x	102.5	=	102.1
161.	1	x	98.5	+	3	x	93.7	-	3	x	94.9	=	94.9
162.	1	x	98.5	+	3	x	94.9	-	3	x	93.7	=	102.1
163.	1	x	98.5	+	3	x	94.9	-	3	x	97.3	=	91.3
164.	1	x	98.5	+	3	x	97.3	-	3	x	94.9	=	105.7
165.	1	x	98.5	+	3	x	102.5	-	3	x	104.1	=	93.7
166.	1	x	98.5	+	3	x	104.1	-	3	x	102.5	=	103.3
167.	1	x	102.5	+	3	x	93.7	-	3	x	94.9	=	98.9
168.	1	x	102.5	+	3	x	93.7	-	3	x	97.3	=	91.7
169.	1	x	102.5	+	3	x	93.7	-	3	x	98.5	=	88.1
170.	1	x	102.5	+	3	x	94.9	-	3	x	93.7	=	106.1
171.	1	x	102.5	+	3	x	94.9	-	3	x	97.3	=	95.3
172.	1	x	102.5	+	3	x	94.9	-	3	x	98.5	=	91.7
173.	1	x	102.5	+	3	x	97.3	-	3	x	98.5	=	98.9
174.	1	x	102.5	+	3	x	98.5	-	3	x	97.3	=	106.1
175.	1	x	104.1	+	3	x	93.7	-	3	x	94.9	=	100.5
176.	1	x	104.1	+	3	x	93.7	-	3	x	97.3	=	93.3
177.	1	x	104.1	+	3	x	93.7	-	3	x	98.5	=	89.7
178.	1	x	104.1	+	3	x	94.9	-	3	x	93.7	=	107.7
179.	1	x	104.1	+	3	x	94.9	-	3	x	97.3	=	96.9
180.	1	x	104.1	+	3	x	94.9	-	3	x	98.5	=	93.3
181.	1	x	104.1	+	3	x	97.3	-	3	x	98.5	=	100.5
182.	1	x	104.1	+	3	x	97.3	-	3	x	102.5	=	88.5
183.	1	x	104.1	+	3	x	98.5	-	3	x	97.3	=	107.7
184.	1	x	104.1	+	3	x	98.5	-	3	x	102.5	=	92.1
185.	2	x	93.7	+	2	x	97.3	-	3	x	94.9	=	97.3
186.	2	x	93.7	+	2	x	98.5	-	3	x	94.9	=	99.7
187.	2	x	93.7	+	2	x	98.5	-	3	x	97.3	=	92.5
188.	2	x	93.7	+	2	x	102.5	-	3	x	94.9	=	107.7
189.	2	x	93.7	+	2	x	102.5	-	3	x	97.3	=	100.5
190.	2	x	93.7	+	2	x	102.5	-	3	x	98.5	=	96.9
191.	2	x	93.7	+	2	x	104.1	-	3	x	97.3	=	103.7
192.	2	x	93.7	+	2	x	104.1	-	3	x	98.5	=	100.1
193.	2	x	93.7	+	2	x	104.1	-	3	x	102.5	=	88.1
194.	2	x	94.9	+	2	x	97.3	-	3	x	93.7	=	103.3
195.	2	x	94.9	+	2	x	97.3	-	3	x	98.5	=	88.9
196.	2	x	94.9	+	2	x	98.5	-	3	x	93.7	=	105.7
197.	2	x	94.9	+	2	x	98.5	-	3	x	97.3	=	94.9
198.	2	x	94.9	+	2	x	102.5	-	3	x	97.3	=	102.9

## INTERMODULATION REPORT

Prepared For: FOX COMMUNICATIONS

Date: November 16, 1993

Page 3

#	Order	x Freq.	Plus	Order	x Freq.	Minus	Order	x Freq.	=	Product
199.	2	x 94.9	+	2	x 102.5	-	3	x 98.5	=	99.3
200.	2	x 94.9	+	2	x 104.1	-	3	x 97.3	=	106.1
201.	2	x 94.9	+	2	x 104.1	-	3	x 98.5	=	102.5
202.	2	x 94.9	+	2	x 104.1	-	3	x 102.5	=	90.5
203.	2	x 97.3	+	2	x 98.5	-	3	x 94.9	=	106.9
204.	2	x 97.3	+	2	x 102.5	-	3	x 98.5	=	104.1
205.	2	x 97.3	+	2	x 104.1	-	3	x 98.5	=	107.3
206.	2	x 97.3	+	2	x 104.1	-	3	x 102.5	=	95.3
207.	2	x 98.5	+	2	x 102.5	-	3	x 104.1	=	89.7
208.	2	x 98.5	+	2	x 104.1	-	3	x 102.5	=	97.7

No More Frequency Products Within Desired Range

(a) FM broadcast stations employing transmitters authorized after January 1, 1960, must maintain the bandwidth occupied by their emissions in accordance with the specification detailed below. FM broadcast stations employing transmitters installed or type accepted before January 1, 1960, must achieve the highest degree of compliance with these specifications practicable with their existing equipment. In either case, should harmful interference to other authorized stations occur, the licensee shall correct the problem promptly or cease operation.

(b) Any emission appearing on a frequency removed from the carrier by between 120 kHz and 240 kHz inclusive must be attenuated at least 25 dB below the level of the unmodulated carrier. Compliance with this requirement will be deemed to show the occupied bandwidth to be 240 kHz or less.

(c) Any emission appearing on a frequency removed from the carrier by more than 240 kHz and up to and including 600 kHz must be attenuated at least 35 dB below the level of the unmodulated carrier.

5:BCAST10:|sec 73.317|

(c) Any emission appearing on a frequency removed from the carrier by more than 240 kHz and up to and including 600 kHz must be attenuated at least 35 dB below the level of the unmodulated carrier.

(d) Any emission appearing on a frequency removed from the carrier by more than 600 kHz must be attenuated at least  $43 + 10 \log_{10}$  (Power, in watts) dB below the level of the unmodulated carrier, or 80 dB, whichever is the lesser attenuation.

(e) Preemphasis shall not be greater than the impedance-frequency characteristics of a series inductance resistance network having a time constant of 75 microseconds. (See upper curve of Figure 2 of 73.333.)

Historical Note

5:BCAST10:|sec 73.317|

APPLICATION FOR TRANSPORTATION AND  
UTILITY SYSTEMS AND FACILITIES  
ON FEDERAL LANDS

RECEIVED

NOV-5 1993

FORM APPROVED  
OMB NO. 1004-0060  
Expires: June 30, 1995

NOTE: Before completing and filing the application, the applicant should completely review this package and schedule a preapplication meeting with representatives of the agency responsible for processing the application. Each agency may have specific and unique requirements to be met in preparing and processing the application. Many times, with the help of the agency representative, the application can be completed at the preapplication meeting.

FOR AGENCY USE ONLY

Application Number

Date filed

1. Name and address of applicant (include zip code)

Benson, Goss, Rones & Dahl  
Luann Dahl, 406 G. Street,  
Petaluma, CA 94952

2. Name, title, and address of authorized agent if different from Item 1 (include zip code)

Luann Dahl  
406 G. Street, Petaluma, CA  
94952

3. TELEPHONE (area code)

Applicant

(707) 762-1681

Authorized Agent

(707) 762-1681

4. As applicant are you? (check one)

- a. ☐ Individual  
b. ☐ Corporation  
c. ☒ Partnership/Association  
d. ☐ State Government/State Agency  
e. ☐ Local Government  
f. ☐ Federal Agency

\* If checked, complete supplemental page

5. Specify what application is for: (check one)

- a. ☒ New authorization  
b. ☐ Renew existing authorization No. \_\_\_\_\_  
c. ☐ Amend existing authorization No. \_\_\_\_\_  
d. ☐ Assign existing authorization No. \_\_\_\_\_  
e. ☐ Existing use for which no authorization has been received  
f. ☐ Other \*

\* If checked, provide details under Item 7

6. If an individual, or partnership are you a citizen(s) of the United States? ☒ Yes ☐ No

7. Project description (describe in detail): (a) Type of system or facility, (e.g., canal, pipeline, road); (b) related structures and facilities; (c) physical specifications (length, width, grading, etc.); (d) term of years needed; (e) time of year of use or operation; (f) Volume or amount of product to be transported; (g) duration and timing of construction; and (h) temporary work areas needed for construction. (Attach additional sheets, if additional space is needed.)

- 1) Howard Mountain Communication Lot #13. Multiuser communication site include new FM broadcast station. Site will be available to other communications and two-way radio users in addition to applicant.
- 2) Communications tower, equipment building, and security fence.
- 3) Uniform cross-section steel guyed tower, 300 feet in height. Tower guy wires within 12 feet of ground to be covered with reflective material. Tower to be lighted as required by FAA. Adjacent multiuser building to be 12 ft. x 20 ft. constructed of cinder block with heating, cooling, and ventilation systems to meet site and all applicable codes. Building interior to provide separate and secure space for individual users; each space to have appropriate electrical and ventilation. Building exterior to be painted BLM designated color.
- See Exhibit "A" for additional information.)

8. Attach map covering area and show location of project proposal

9. State or local government approval: ☐ Attached ☐ Applied for ☐ Not required ☒ To be applied for.

10. Nonreturnable application fee: ☐ Attached ☐ Not required ☒ Will be sent upon fee notification.

11. Does project cross international boundary or affect international waterways? ☐ Yes ☒ No (If "yes," indicate on map)

12. Give statement of your technical and financial capability to construct, operate, maintain, and terminate system for which authorization is being requested.

Equipment building and fence to be designed by communications consulting engineer. Broadcast FM station to be operated pursuant to FCC license. Partnership certifies that it has sufficient assets necessary to construct, maintain and terminate system and has sufficient assets necessary to meet FCC rules regarding operation of licensed radio station.

## ADDITIONAL INFORMATION FOR APPLICATION

### Question 7:

- (c) continued: An 8 ft. vinyl-clad chain link fence will enclosed the equipment building and tower for security purposes.
- (d) In perpetuity.
- (e) Continuous use.
- (f) Transportation of materials across BLM land will include only those materials required for construction of the tower, adjoining building and security fence described above.
- (g) Construction to be completed within a 90 day period pending BLM and FCC permit approval.
- (h) Construction contained within immediate site area.

### Question 15:

the best location for the station's antennae by the consulting communications engineer. Market analysis indicates that this will be a successful economic endeavor.

- (a) Estimated construction cost for facility: \$75,000. Estimated operation costs for facility with FM station: \$2,000 per month. Estimated maintenance costs for facility: \$100 per month.
- (b) Applicant has not found a private site which would provide equal or better signal coverage as Howard Mountain. The next best alternative would be to remove and rebuild an existing Howard Mountain high power tower. Current towers and buildings are inadequate for additional antennae and equipment. This would require removal of existing antennae, transmission line, dismantling and removal of towers and equipment building to permit construction of new tower, equipment building and fence. The surrounding communities would lose use of broadcast facilities during removal of existing facility and construction of new facility, and current users would suffer loss of income. The cost of dismantling would be in addition to costs of construction.
- (c) Construction of this facility will permit the location of additional high power FM radio stations and other communication and two way radio antennae which will benefit the general public in the surrounding communities.

EXHIBIT "A"

13. Describe other reasonable alternative routes and modes considered.

Applicant investigated co-location with existing broadcast facilities.

b. Why were these alternatives not selected?

Applicant's site provides superior radio signal coverage to area of license. In addition, applicant has been informed by communications consulting engineer, tower manufacturer and tower installer that existing towers will not support additional high power FM antennae.

c. Give explanation as to why it is necessary to cross Federal lands.

BLM has recognized that Howard Mountain is an excellent location for high power FM stations and two way commercial communications. (See Site Management Plan for Howard Mountain.)

14. List authorizations and pending applications filed for similar projects which may provide information to the authorizing agency. (Specify number, date, code, or name.)

There are no authorized or pending applications by applicant. Site Management Plan for Howard Mountain lists current authorized and pending applications for similar projects.

15. Provide statement of need for project, including the economic feasibility and items such as: (a) cost of proposal (construction, operation, and maintenance); (b) estimated cost of next best alternative; and (c) expected public benefits.

The FCC has recognized the necessity for this FM station to be constructed to help meet the needs of the community. It has authorized applicant to increase to high power broadcasting station. Howard Mountain has been determined to be (See Schedule "A".)

16. Describe probable effects on the population in the area, including the social and economic aspects, and the rural lifestyles.

The multi-user tower will provide antennae space for other high power FM radio stations and two way radio communications. The FM radio station will broadcast regularly scheduled local news and public affairs programs and public service announcements. The station will employ at least three full-time employees.

17. Describe likely environmental effects that the proposed project will have on: (a) air quality; (b) visual impact; (c) surface and ground water quality and quantity; (d) the control or structural change on any stream or other body of water; (e) existing noise levels; and (f) the surface of the land, including vegetation, permafrost, soil, and soil stability.

(a) None. (b) Radio tower consistent with Site Management Plan. (c) None. (d) None. (e) None after completion. (f) No permanent change except for footprint of tower, equipment building and fence. No permanent location of personnel.

18. Describe the probable effects that the proposed project will have on (a) populations of fish, plant, wildlife, and marine life, including threatened and endangered species; and (b) marine mammals, including hunting, capturing, collecting, or killing these animals.

Information to be provided by the BLM.

19. State whether any hazardous substance, as defined in the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. 9601 (14), or any hazardous or solid waste, as defined in the Resource Conservation and Recovery Act of 1976, as amended, 42 U.S.C. 6903 (5), (27), will be used in the construction of, or at any time transported within, the right-of-way.

None.

20. Name all the Department(s)/Agency(ies) where this application is being filed.

BLM and FCC

I HEREBY CERTIFY That I am of legal age and authorized to do business in the State and that I have personally examined the information contained in the application and believe that the information submitted is correct to the best of my knowledge.

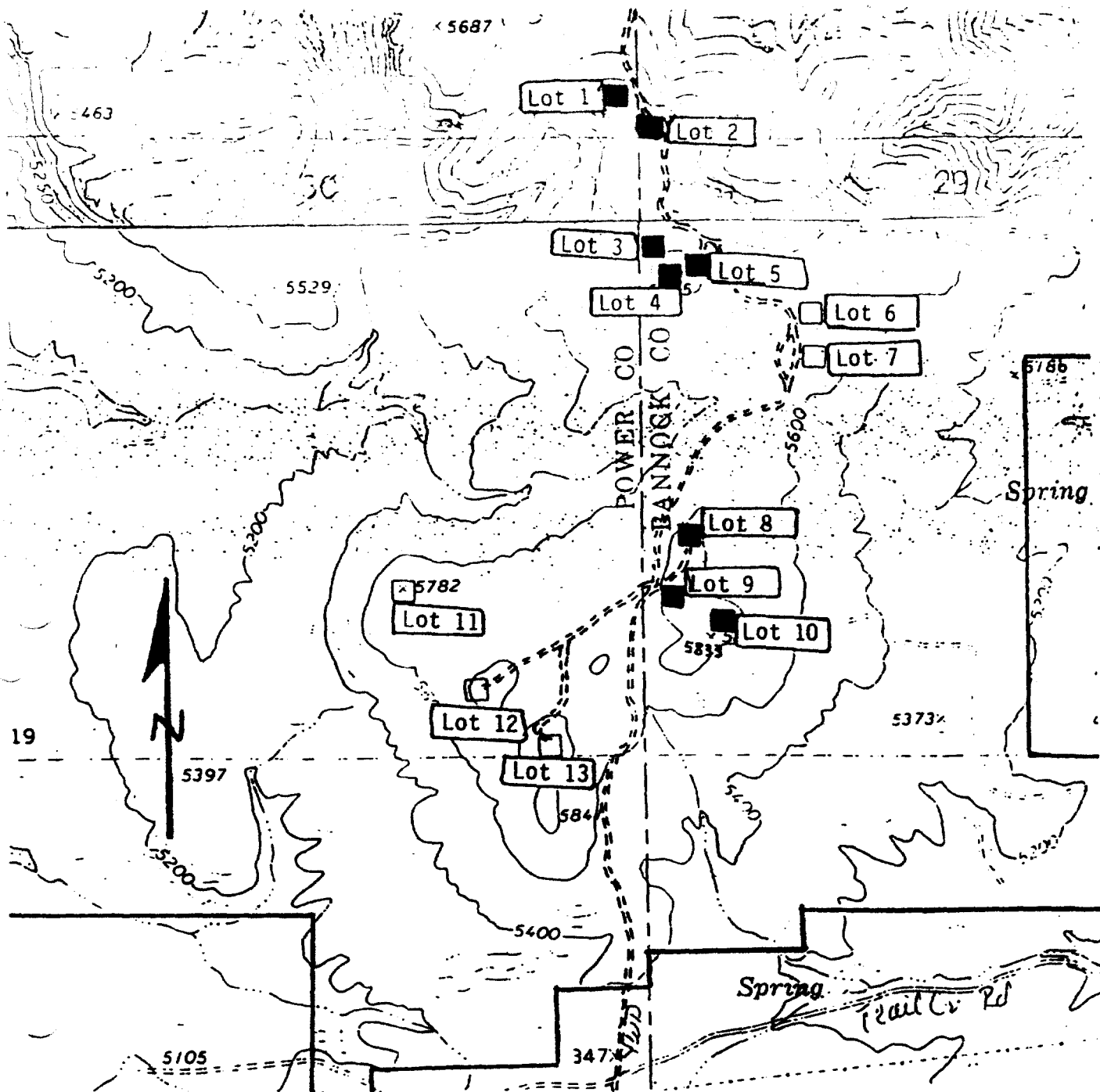
Signature of Applicant

*Luann Dale*

Date

11-1-93

Title 18, U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.



Map Name: Michaud & Michaud Creek 7 1/2 min. quad.

Map Scale: 4" = 1 mile

Legal: T. 6 S., R. 34 E., B.M.  
 Section 19: SESE  
 Section 20: SWSW  
 Section 29: W2W2, SENW  
 Section 30: NWSE, S2SE

EA Number: \_\_\_\_\_

Project Name: \_\_\_\_\_

LEGEND Cont. - Communication Lots

13

LEGEND - Communication Lots

- 1 Zundel Radio
- 2 U.S. Cellular Corp.
- 3 Tele-Car Inc.
- 4 KPKY/KCIR
- 5 Don Clark Radio
- 6
- 7
- 8 Union Pacific RR
- 9 State of Idaho
- 10 KSEI/KZBQ/KRIC
- 11
- 12

USDI, BUREAU OF LAND MANAGEMENT  TECHNICAL DATA REPORT FOR NEW OR ADDITIONAL COMMUNICATION SITE USE	Right-of-way#	State Idaho	District T-3
	Resource Area Pocatello	County Bannock	Elevation 5840'
	Township 6 South	Range 34 East	Section 30
APPLICANTS NAME, ADDRESS, PHONE erry Dobson, Carolyn Goss, leil Rones, Luann Dahl 707-765-0960 06 G St., Petaluma, CA 94952	LOCATION APPLIED FOR: Site Name: Howard Mtn. Lat. 42-51-46 Site 13 Lon. 112-31-03	FCC or NTIA SERVICE APPLIED FOR FM Broadcast	

TYPE OF APPLICANT: (Gov.) Federal State County City (Pvt.) CompanyX  
Utility Corporation Farm Business Other Specify

NAME ADDRESS AND PHONE NUMBER OF PERSON TO CONTACT IN CASE OF AN EMERGENCY:  
ADMINISTRATIVE: Luann Dahl TECHNICAL: Luann Dahl  
106 G. St., Petaluma, CA 94952 707-765-0960

WILL A PHONE BE AVAILABLE AT THE SITE APPLIED FOR? YESX NO  
If yes, what is phone number? To Be Determined

TYPE OF ELECTRICAL POWER PLANNED:	Commercial	YesX No
	# Phases	3
Standby Power:	Solar w/battery	Yes NoX
Type N/A	Wind w/battery	Yes NoX
	Battery only	Yes NoX

TYPE OF OPERATIONAL CONTROL PLANNED: Local Control Automatic Repeater  
Wire Remote Radio Link Remote X  
Is repeater tone protected? Yes No Other

ANTENNA MOUNTING STRUCTURE:	Wood Pole: Yes	Steel Tower: Yes X
Height above ground 300 Ft.	No X	No
Dia. of pole or tower 41" 5/8"	Treated: Yes	Mfg. Rohn
Distance from bldg. 8 Ft.	No X	Mdl. No. 80
Space for other users?	Number planned? N/A	Number planned? 1
YesX No	Draw a sketch showing building and antenna structure placement. Show height above ground of each on sketch. Orange stakes, showing the exact location of planned structures, will be required at the site prior to construction.	

REMARKS:

# **TRANSMITTER EQUIPMENT TECHNICAL INFORMATION**

TRANSMITTER: Mfg. CCA Mdl. No. FM-2000G  
 Type Accepted No. FCC Type Accepted Serial No. To Be Determined  
 Age New (years) New X Mdl Year 1994

COMBINER? No Mfg. \_\_\_\_\_ Mdl. No. \_\_\_\_\_  
 DUPLEXER? No \_\_\_\_\_  
 CAVITY? \_\_\_\_\_ Age \_\_\_\_\_ (years) Serial No. \_\_\_\_\_  
 \_\_\_\_\_ New \_\_\_\_\_ Mdl. Year \_\_\_\_\_ Number of Tx's on system \_\_\_\_\_  
 Rack Mount? Yes No Cabinet Mount Yes No  
 Free Standing? Yes No Type fitting used? N UHF BNC

TRANSMITTER ISOLATORS OR CIRCULATORS USED: None  
 Mfg. \_\_\_\_\_ Mdl. No. \_\_\_\_\_  
 Age \_\_\_\_\_ (years) Serial No. \_\_\_\_\_  
 New \_\_\_\_\_ Mdl Year \_\_\_\_\_ Number Iso used \_\_\_\_\_  
 Tot isolation achieved \_\_\_\_\_ db.

ANTENNA AND CABLE SYSTEM:  
 Antenna: Mfg. ERI Cable Mfg. Andrew  
 Type FM Broadcast Antennae Cable Dia. 3 inch  
 Mdl. ? G5CPS-8AE Cable Length outside building 275 Ft.  
 Gain? 4.5 db Age? New (yrs) New? X Cable length inside building 12 Ft.  
 Direction? Omni degrees. Cable fittings type? N UHF BNC \*  
 Height (AGL) Top? 290 Ft. Bottom? 220 Ft. Cable type? Air Dielectric  
 Polarization? Horizontal Vertical Circular y \*EIA Flanged Connectors  
 Number of fitting adapters used in transmitter system? None

EMISSION: Call Sign KOUH(FM) Emission type? FM Broadcast  
 True Power 20,000 watts. Emission Bandwidth? 75,000 ERP watts.

FREQUENCIES: 104.1 MHZ \_\_\_\_\_  
 \_\_\_\_\_  
 Mf Ghz \_\_\_\_\_  
 kHz \_\_\_\_\_

It is understood the transmitter will NOT be placed in service without a license. Initial LD.

OTHER RELATED DATA: (tones etc.)

# RECEIVER EQUIPMENT TECHNICAL INFORMATION

RECEIVER: Mfg. FTF Mdl. No. 8301B  
 Type Accepted No. FCC Type Accepted Serial No. To Be Determined  
 Age New New X Mdl. Year 1994

MULTICOUPLER No Mfg. \_\_\_\_\_ Mdl. No. \_\_\_\_\_  
 DUPLEXER No \_\_\_\_\_  
 CAVITY No Age \_\_\_\_\_ (years) Serial No. \_\_\_\_\_  
 New \_\_\_\_\_ Mdl. year \_\_\_\_\_ Number or Rx's on system? \_\_\_\_\_  
 Rack Mount? Yes \_\_\_\_\_ No \_\_\_\_\_ Cabinet Mount? Yes \_\_\_\_\_ No \_\_\_\_\_  
 Free Standing? Yes \_\_\_\_\_ No \_\_\_\_\_ Type of fitting used? N \_\_\_\_\_ UHF \_\_\_\_\_ BNC \_\_\_\_\_

ANTENNA AND CABLE SYSTEM USED: Same as Transmit cable and antenna system?  
 Yes \_\_\_\_\_ No \_\_\_\_\_

ANTENNA: Mfg.? Scala CABLE: Mfg.? Andrew  
 Type? Paraflector Type? Foam Heliax  
 Mdl. No. PR-450CIU Dia.? 1/2 inch  
 Direction? To Be Determined Length of inside building 12 Ft.  
 Height (AGL) Top 47 Ft. Length of outside building 60 Ft.  
 Height (AGL) Bottom 53 Ft. Type of fittings? N X UHF \_\_\_\_\_ BNC \_\_\_\_\_  
 Polarization? Vertical X \_\_\_\_\_  
 Horizontal \_\_\_\_\_  
 Number of fitting adapters used in receive system? None

## FREQUENCIES:

Mhz Ghz \_\_\_\_\_ To Be Determined  
 Khz \_\_\_\_\_ in band of frequencies  
 \_\_\_\_\_ reserved for STL  
 \_\_\_\_\_ use (944-952 MHZ)  
 \_\_\_\_\_

OTHER RELATED DATA: (tones etc.)

Signature:

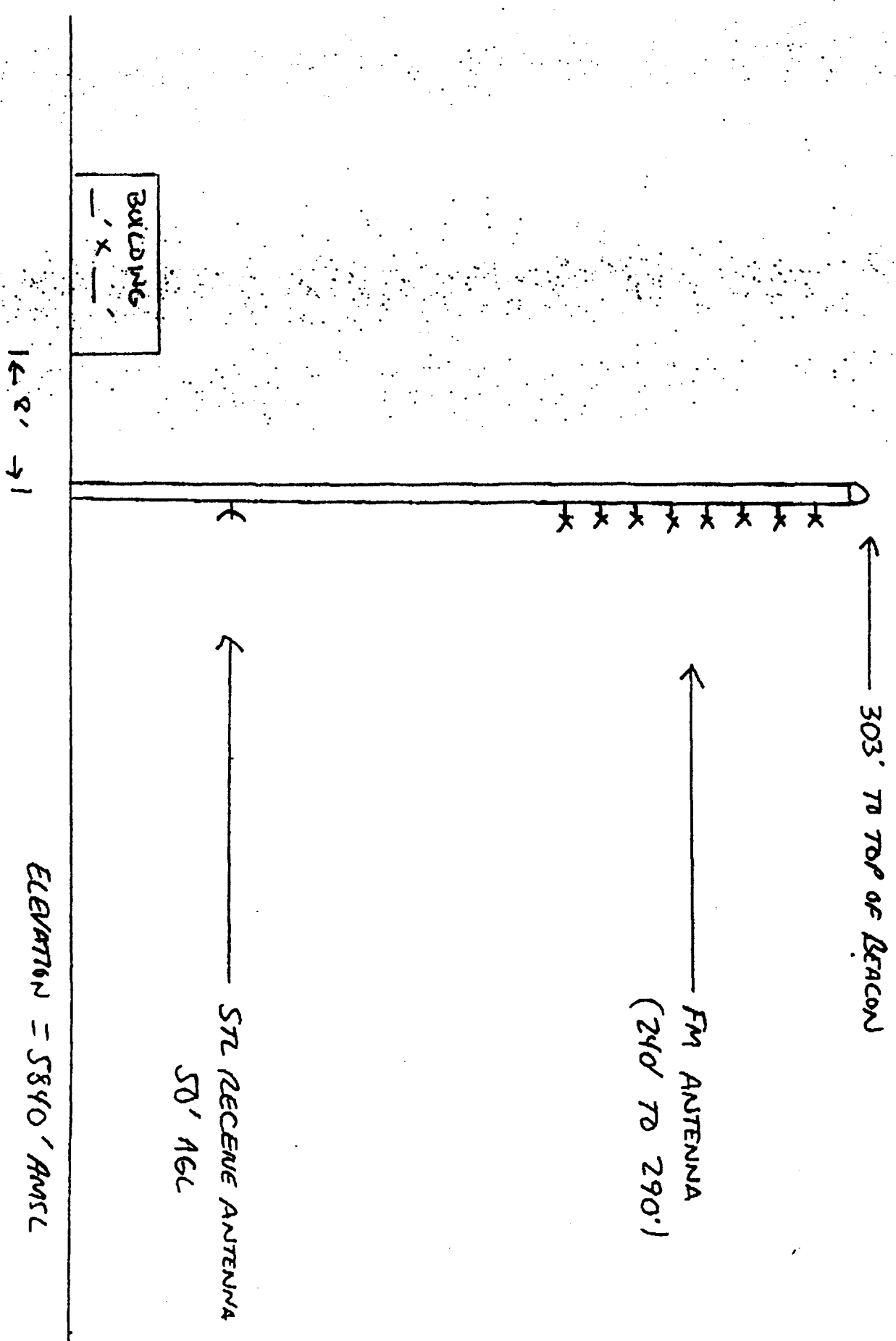
*Luann Dahl*

Title:

*Partner*

Date:

*11-1-93*



303' TO TOP OF BEACON

FM ANTENNA  
(240' TO 290')

STL RECEIVING ANTENNA  
50' AGL

ELEVATION = 5840' AMSL

16.8' →

# KFRM Radio

Salina, Hutchinson, Wichita, & Great Bend, Kansas

P. O. Box 20961  
Wichita, Kansas 67208  
316-269-1550

RR  
KMM 96-99

Federal Communications Commission  
AM Broadcasting Division  
Washington, D. C.

FAX sent to Tom Davidson  
202-887-4288


Dear Sirs:

In mid-1992, I discovered I had a heart problem and later resigned my position with ~~KMM~~. By the fall of 1992, I was really completely out of the company. I later had three major operations in one month, including open-heart surgery.

I understood that the law had been changed, whereby two AM's could be owned in the same town, therefore making the sale of KWHK unnecessary.

As you know, trying to sell a low powered AM in a small market is almost impossible nowadays, and this is why KWHK wound up in bankruptcy.

Sincerely,

  
Mack Sanders, President  
KFRM Radio



Farm Voice of the Great Plains

AUDIO SERVICES DIVISION

JUL 19 10 38 AM '93

RECEIVED

# KFRM Radio

Salina, Hutchinson, Wichita, & Great Bend, Kansas

239  
MM 96-99  
P. O. Box 20961  
Wichita, Kansas 67208  
316-269-1550

ASSISTANT ATTORNEY GENERAL

JUL 23 1993

RECEIVED

JUL 16 1993

Federal Communications Commission  
AM Broadcasting Division  
Washington, D. C.

FAX sent to Tom Davidson  
202-887-4288

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Dear Sirs:

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Sincerely,



Mack Sanders, President  
KFRM Radio



Farm Voice of the Great Plains

April 16, 1993

Federal Communications Commission

Mass Media Bureau/AM Branch

1919 M St. N.W.

Washington, D.C. 20554

RECEIVED  
AM BRANCH  
APR 26 1993  
APR 27 1993  
MAIL BRANCH

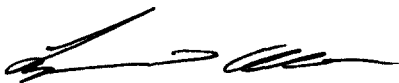
REFERENCE ROOM: PLEASE FILE IN AM  
LICENSE FILE

Gentlemen:

This letter will serve as notification that the point of remote control for station **KWHK-AM**, Hutchinson, Ks., is now located at 1200 N. Lorraine St., Hutchinson, Ks., at the offices of Security and Communications, Inc., where monitoring occurs throughout the 24 hours daily of KWHK operations.

The studios and general offices of KWHK-AM are currently located at 720 N. Main St., Suite 207, Hutchinson, Ks.

Sincerely,



Lynn Allison

Trustee

Great American Broadcasting Company of Hutchinson, Inc.

Case No. 92-12856

REFERENCE ROOM: PLEASE FILE IN AM  
LICENSE FILE

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

File No. : BS-920323  
Call Sign : K W H K

LICENSEE:

GREAT AMERICAN BROADCASTING, INC.

1. Community of License : Hutchinson, KS

2. Transmitter location : 1 mi north of 30th &  
Main Streets  
Hutchinson, KS

North latitude : 38° 06' 07"  
West longitude : 97° 56' 08"

3. Transmitter(s): Type Accepted. (See Sections 73.1660,  
73.1665 and 73.1670 of the Commission's rules)

4. Main Studio location: (See Section 73.1125)  
525 North Main Street  
Hutchinson, KS

5. Remote control location:  
525 North Main Street  
Hutchinson, KS

6. Antenna and ground system: Attached

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 12 & 21

8. Frequency : 1260 kHz

9. Nominal power (kW) : 1.0 Day 0.5 Night

Antenna input power (kW) :

1.08 Day



Non-directional antenna:



Directional antenna : current 4.65 amperes; resistance 50 ohms.

0.54 Night



Non-directional antenna:



Directional antenna : current 3.29 amperes; resistance 50 ohms.

10. Hours of operation: Specified in BZ-810113AA

11. Conditions : - - -

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission rules made thereunder, and further subject to conditions set forth in this license,<sup>1</sup> the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time

JUNE 1, 1997

The Commission reserves the right during said license period of terminating this license or making effective any change, or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

The license is issued on the licensee's representation that the statements contained in the licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934, as amended.

NPS:y1

FEDERAL  
COMMUNICATIONS  
COMMISSION



<sup>1</sup> This license consists of this page and pages 2 & 3

Dated: 19 JUN 1992

File NO. BS-920323

Call Sign: K W H K

## 1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three (3) guyed, uniform cross section, series excited, vertical radiators. Theo. RMS: 307.38 mV/m, Day; 239.79 mV/m, Night. Avg RMS: 330.9233 mV/m, Day; 252.5637 mV/m, Night. All values @ 1 km. Q = 11.630, Night; 10.705, Day.

Height above Insulators: 64.0 m (97°)

Overall Height: N(#1) 65.5 m; C(#2) 65.2 m; S(#3) 64.9 m

Spacing and Orientation: Spaced 61.0 m (92°) between adjacent elements oriented on a line bearing 0° True.

Non-Directional Antenna: None Used.

Ground System consists of 240 equally spaced buried copper radials, 120 radials 15.24 m long and 120 alternate radials 64.0 m long or to points of overlap. Copper bonding straps at outer ends of short radials, between tower bases and transmitter building and at intersection of long radials.

## 2. THEORETICAL SPECIFICATIONS

Tower		N(#1)	C(#2)	S(#3)
Phasing	Night	176°	0°	171°
	Day	-105.2°	0°	-147.2°
Field Ratio:	Night	.546	1.0	.546
	Day	.800	1.0	.800

## 3. OPERATING SPECIFICATIONS

## Phase Indication\*:

Night	52°	0°	120°
Day	118°	0°	-17°

## Antenna Base Current Ratio:

Night	0.58	1.0	0.56
Day	0.76	1.0	0.79

## Antenna Monitor Sample Current Ratio:

Night	0.60	1.0	0.56
Day	0.79	1.0	0.75

\* As indicated by Potomac Instruments AM-19 (204) antenna Monitor.

Antenna sampling system approved under Section 73.68 (b) rules.

**DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:**

**Direction of 61° True North.** 1.80 miles from the center of the KWHK array. To reach this point, start at the entrance to the transmitter grounds, proceed 0.64 mile east to Plum Street, 1.0 mile north on Plum Street 1.0 mile east on section line road, and 0.08 mile south on Lorraine Street to post marked "KWHK 61" in fence line to west of street. Monitoring point is in field 150 feet west of this point. the field intensity measured at this point should not exceed 83.2 mV/m Day.

**Direction of 79° True North.** 1.68 mile from the center of the KWHK array. To reach this point, start at the entrance to the transmitter grounds, proceed 0.64 mile east to Plum Street, 1.0 mile north on Plum Street, 1.0 mile east on Section line road and 0.63 south on Lorraine Street to post marked "KWHK 79" in fence line to east of street. Monitoring point is in field, 250 feet east of this post. The field intensity measured at this point should not exceed 22.7 mV/m Night.

**Direction of 106° True North.** 3.75 miles from the center of the KWHK array. To reach this point, start at the entrance to the transmitter grounds, proceed 0.64 mile east to Plum Street, 1.0 mile south on Plum Street, 3.0 mile east on East 30th Avenue and 0.05 mile north on section line road to post marked "KWHK 106" in fence line to east of road. Monitoring point is in middle of the road opposite this post. The field intensity measured at this point should not exceed 8.76 mV/m Night and 55.9 mV/m Day.

**Direction of 158° True North.** 1.90 mile from the center of the KWHK array. To reach this point, start at the entrance to the transmitter grounds, proceed 0.64 mile east to Plum Street and 1.7 mile south on Plum Street to post marked "KWHK 158" in row of trees to east of street. Monitoring point is in field 350 feet east of this post. The field intensity measured at this point should not exceed 135 mV/m Night and 97 mV/m Day.

**Direction of 252° True North.** 3.45 miles from the center of the KWHK array. To reach this point, start at the entrance to the transmitter grounds, proceed 0.36 mile west to north Monroe Street, 2.9 miles south on North Monroe Street and 3.6 miles northwest on State Highway 96 to post marked "KWHK 252" in fence line northeast of Highway. Monitoring point is in field, 250 feet northeast of this post. The field intensity measured at this point should not exceed 8.1 mV/m Night.

**Direction of 276.5° True North.** 4.35 miles from the center of the KWHK array. To reach this point, start at the entrance to the transmitter ground proceed 0.36 mile west to North Monroe Street, 2.9 miles south on North Monroe Street and 5.6 miles northwest and north on State Highway 96 to post marked "KWHK 276.5" in fence line east of highway. Monitoring point is in field 150 feet east of this post. No clear and continuously accessible monitoring point is available at less than 4 miles distance. The field intensity measured at this point should not exceed 7.5 mV/m Night.

MM 96-99

LAW OFFICES  
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JOHN B. KENKEL  
SCOTT CINNAMON

DEC 30 2 30 AM '91  
DEC 27 1991

December 27, 1991

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DEC 27 1991

Secretary  
Federal Communications Commission  
1919 M Street, N.W.  
Washington, D.C. 20554

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Attn: AM Branch

DEC 30 1991

In re: ~~KWHK~~, Hutchinson, Kansas  
Main Studio Relocation

AM BRANCH

Dear Madam Secretary:

For Great American Broadcasting of Hutchinson, Kansas, your licensee of AM station KWHK, 1260 Khz, Hutchinson, Kansas, and agreeably with Section 73.1125 (b), we are filing this advice of relocation of the main studio to the AM station's transmitter site, at the following address:

106 West 43rd  
Hutchinson, KS 67502

The telephone remains the same, (316) 663-4461.

It is believed that the remote control authorizations already specify the transmitter site for remote control point[s]; however, as to any which may not, then note change to the specified same address.

Very truly yours,

*John B. Kenkel*  
John B. Kenkel

cc: AM Branch, FCC, Room 344

Radio Station KWHK  
106 W. 43rd  
Hutchinson, KS 67502